4 March 1965

MEMORANDUM FOR THE RECORD

SUBJECT: Evaluation of ▮▮▮ Multi-Format Interpretation
Station 970-1.

STATINTL

25X1A

1. On 14 January Messrs. ▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮ and I inspected the
▮▮▮▮ Multi-Format Interpretation Station 970-1 while on a visit to the
544th ARTW, Offutt AFB, Omaha, Nebraska.

25X1A

2. The ▮▮▮ Station is a desk sized, four transport light table with
a traversing carriage on which an ▮▮▮ Widespan Zoom Stereoscope is mounted. 25X1A
A motor driven transport system moves stereo pairs on the same or separate
film rolls into position for viewing with the stereoscope.

3. The film drive operates smoothly and handles slew speeds up to
approximately 300 feet per minute. A drop loop makes provision for viewing
stereo images with up to 90 inches separation between stereo pairs.

25X1A

4. This table can accommodate two $9\frac{1}{2}$ inch rolls, or four 70mm or
5 inch rolls, or one $9\frac{1}{2}$ inch and two 70mm or 5 inch rolls. Coverage from
two missions can thus be compared.

5. Each eyepiece has a separate 4:1 zoom system and 360° image
rotation. The magnification with 10X eyepieces ranges from 8X to 32X.
In March 1964, when I inspected a prototype of the instrument equipped
with the same optics, I obtained resolution readings of approximately
200 l/mm at 32X. The working distance for the optics is only .375 inches
above the film plane and it is difficult to position the rhomboids to
locate stereo images.

25X1A

6. ▮▮▮▮▮▮▮▮▮▮▮▮▮▮ Chief of the Scanning Branch at the
544th, admitted that the table was difficult to get used to and a fairly
long training period was required before P.I.'s were skilled in its
operation so as to make it a time saving device.

7. The other persons accompanying me agreed that the low magnifica-
tion range and limited resolution, in addition to the microscope's complex
and awkward operation, make it unsuitable for our P.I. work. Therefore STATINTL
it is recommended that no further action be taken on this instrument.

Declass Review by NIMA / DoD

Development Branch, I & DS